

AC induction motor performance data

Record #85945 - Typical performance - not guaranteed values

Winding	12WGA0162
Type	1286M
Enclosure	PART

Nameplate data

Rated Output			75
Volts			230/460
Full Load Amps			176/88
R.P.M.			1775
Hz	60	Phase	3
KVA Code			F
S.F.			1.15
NEMA Nom. Eff.	93	Power Factor	87
Duty			15 MIN
S.F. Amps			

460 V, 60 Hz:

High Voltage Connection

Full Load Torque	221.8 LB-FT
Start Configuration	direct on line
Breakdown Torque	563 LB-FT
Pull-up Torque	236 LB-FT
Locked-rotor Torque	292 LB-FT
Starting Current	466 A
No-load Current	24.59
Line-line Res. @ 25°C	0.0809 Ω
Temp. Rise @ Rated Load	118°C
Temp. Rise @ S.F. Load	144°C
Locked-rotor Power Factor	26.1
Rotor inertia	11.5 lb-ft ²

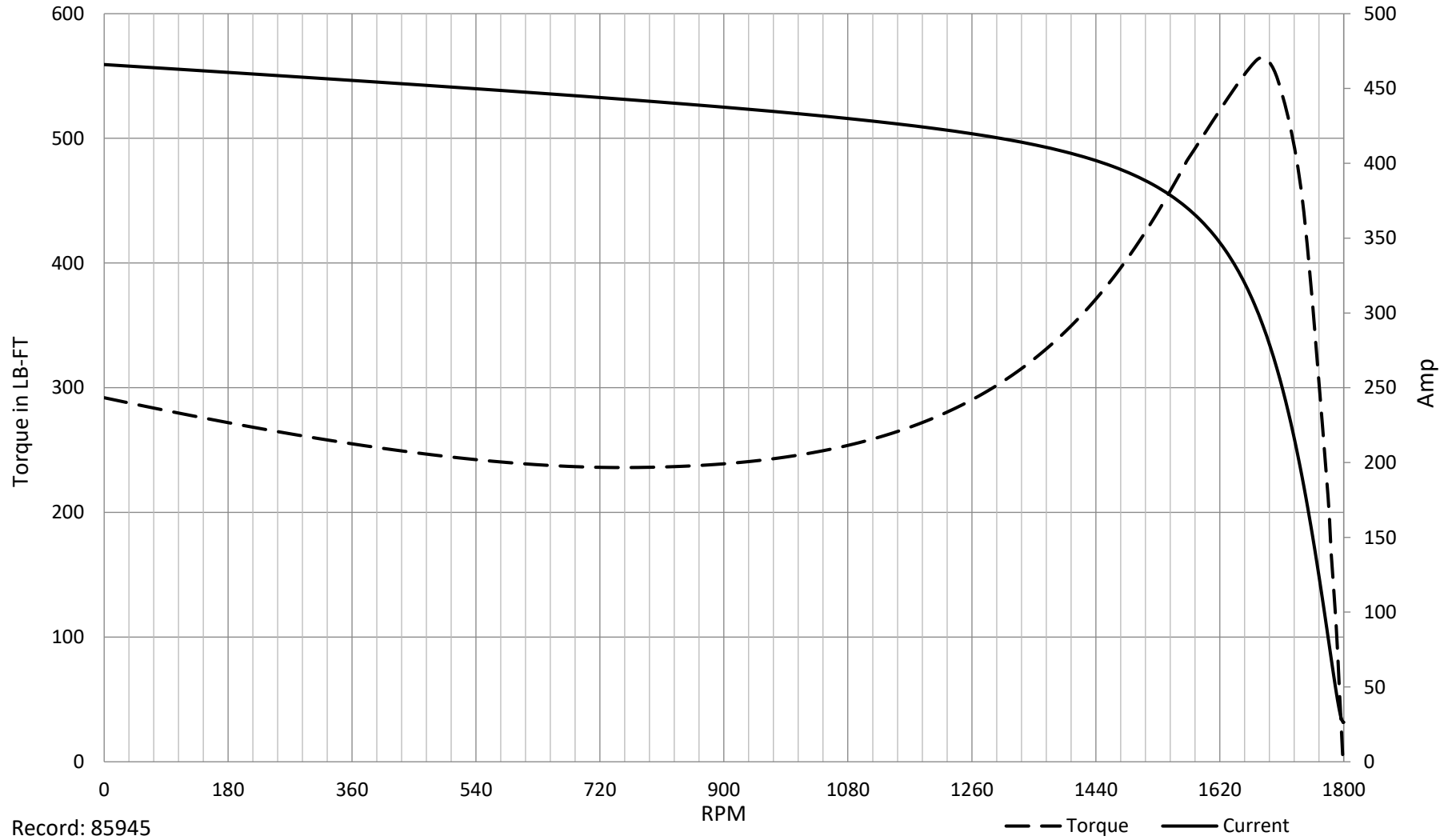
Load Characteristics 460 V, 60 Hz, 75 HP

% of Rated Load	NL	25	50	75	100	125	150	SF
Power Factor	9	64	82	87	87	87	87	87
Efficiency	0	85	90.8	92.3	93	93	92.7	93
Speed	1799	1794	1789	1782	1776	1769	1760	1772
Line amperes	24.59	32.19	47.22	65.48	86.76	108	131	99.5

SPEED TORQUE / SPEED CURRENT CURVES



12WGA0162
75HP 460V 60HZ



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